

## University of Groningen

### Physiology in a life history perspective

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# Physiology in a life history perspective

## Stonechats' adaptations to different environments

MAAIKE A. VERSTEEGH

### I

Trying to fit physiological, behavioral and life history traits onto a single Pace-of-Life axis underestimates the flexibility of organisms to adapt to the diversity of factors that characterize environments.

Contra Ricklefs and Wikelski 2002, Trends in Ecology and Evolution 17: 462-468

### II

One season is unlikely to be more challenging than another. Evolution through natural selection drives organisms to always optimally exploit their environment.

Contra Buehler and Piersma 2008, Philosophical Transactions of the Royal Society B, 363: 247-266

### III

Studies of immunology in wild birds, as well as in other animals and humans, tend to underestimate the importance of environmental factors.

Pederson and Babayan 2011, Molecular Ecology 20: 872-880

Horrocks et al. 2011, Integrative and Comparative Biology, 51: 563-576

### IV

Reproduction is not a goal of organisms but merely a characteristic of life.

Contra Roff 1992, The evolution of life histories: theory and analysis, p.2

### V

Assigning traits to the metabolic, endocrine or immune system limits our thinking about traits that play a role in more than one of these systems.

### VI

Multivariate statistics can be a powerful tool to explain the complexity of the immune system, but frequently lead to incorrect -sometimes attractive- interpretations.

Chapter 7

e.g. Martin et al 2007, Ecology 10: 2516-2528

### VII

Male candidates for a professorship are not necessary for judging the suitability of female candidates.

Spierings, 2012, <http://www.ru.nl/politicologie/koppeling/spierings-hoogleraar>

Contra Commissie Gelijke Behandeling, 2011, Oordeelnummer 2011-198. <http://www.cgb.nl/oordelen/oordeel/224489>

### VIII

Like any language, the language of music is one that you have to learn<sup>1</sup>, yet more than any other language music has the ability to make you happy, even if you are not fluent.

Patel, 2010, Music, language and the brain

### IX

Competition in the scientific arena excludes people who excel in the game but do not care about winning.

### X

Safety rules that lead to the hiding of coffee machines and electric kettles under lock and key do not make the university a safer place.